

2014 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] HOWARD
John Feller, Miner County, SD 57349



Test by: MNS Seed Testing, LLC, New Richland, MN

PREV. CROP/HERB: Corn / Roundup, Harness Xtra
SOIL DESCRIPTION: Clamo-Banilla loam, well drained, conventional w/ fall till, non-irrigated
SOIL CONDITION: Moderate P, high K, 5.7 pH, 3.1% OM
PEST MANAGEMENT: Force, Harness, Roundup
FERTILITY - Applied N: 170 Spring
Applied N-P-K (units): 170-50-30
SEEDED - RATE - ROW: May 7 30,000 /A 30" spacing
HARVESTED - STAND: Nov 5 28,400 /A

Early-Season Test

91 - 95 Day CRM
B2014SDNE11a

Top 30 of 54

For Gross Income (Sorted by Yield)

Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Seed Treatment†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Federal	4520VT3PRIB	VT3P,B	AC,P2	95	220.7	14.7	1	29.5	662	1
Latham	LH4242VT2PRORIB	VT2P,B	AC,P5V	92	209.6	15.0	1	30.9	629	2
Federal	4540VT3P	VT3P	AC,P2	95	208.8	15.7	1	27.6	623	3
Titan Pro	2M95-2P	VT2P,B	AC,P2	95	206.9	15.1	1	31.0	620	4
Federal	4240VT2P	VT2P	AC,P2	92	206.1	14.8	1	31.4	618	5
Stine	R9313VT2Pro	VT2P,B	AC,P2	95	203.7	14.2	1	29.0	611	6
Latham	LH4455VT3PRORIB	VT3P,B	AC,P2	94	202.0	15.1	1	27.6	605	7
AgVenture/Scherr	VPmx RL4616HBW^	HX,RR2	MQ,P5	94	201.4	14.5	1	28.5	604	8
Renk	RK568VT3P	VT3P,B	AC,P2	95	200.2	15.0	1	28.5	601	9
Thunder	9595VT3PRIB	VT3P,B	AC,P2	95	200.1	14.8	1	27.1	600	10
Wensman	W 80952VT2RIB	VT2P,B	AC,P5V	95	200.0	15.6	1	30.5	597	13
Nuseed	9304VT2P	VT2P	AC,P2	93	199.3	14.9	1	28.1	598	11
Viking	VS92-110	VT2P,B	AC,P2	92	199.3	15.0	1	29.5	598	12
AgVenture/Scherr	VPmx RL5015YHBW^	OIX	MQ,P5	94	198.8	13.7	1	29.0	596	14
REA	4V953-RIB	VT3P,B	AC,P5V	95	198.5	14.2	1	29.5	596	15
Federal	4440VT3PRIB	VT3P,B	AC,P2	94	198.5	15.2	1	29.0	595	16
Prairie Brand	4284RA	STX,B	CM,C2	93	197.6	15.3	1	30.0	591	17
REA	4B941-RIB	VT2P,B	AC,P5V	94	196.9	14.9	1	29.5	591	18
Mustang	4695GENVT3P GC	VT3P,B	AC,P2V	95	196.9	15.0	1	29.0	591	19
Stine	R9209VT2Pro	VT2P,B	AC,P2	92	196.8	14.9	1	27.1	590	20
NuTech	5V-195	3111	CM,C2	95	196.5	14.8	1	29.5	590	21
Wensman	W 90941STX	STX	AC,P5V	94	195.5	14.2	1	30.5	587	22
Viking	E52-95R	VT2P,B	AC,P2	95	195.2	15.2	1	28.1	585	23
Renk	RK557SSTX	STX,B	AC,P2	95	193.1	14.9	1	27.1	579	24
Thunder	7993VT2PRIB	VT2P,B	AC,P2	93	191.4	14.7	2	28.1	574	25
Latham	LH4568VT3PRORIB	VT3P,B	AC,P2	95	190.8	15.2	1	29.0	571	26
Terning Seeds	TS8199VT2P	VT2P	CM,C2	91	190.2	15.3	1	30.0	569	27
ProSeed	1191VT2PRIB	VT2P,B	AC,P2	91	189.8	14.4	1	28.5	569	28
REA	4A942-RIB	STX,B	AC,P5V	94	188.8	14.3	1	28.1	566	30
Rob-See-Co	Innotech IC4286^	3220,B	CM,C2	92	188.5	14.0	1	25.6	566	31
Pioneer	P9834AMX CK	AMX,B	MQ,C2	98	189.2	14.8	2	31.0	568	29

Test Average = **188.9** 14.7 1 28.4 566

LSD (0.10) = 16.5 0.5 2

LSD (0.25) = 11.5 0.4 2

C.V. = 6.4 2.6

Mark Tollefson

mark.tollefson@firstseedtests.com, (507) 456-2357

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price = $\frac{\$3.00}{\$3.00}$ Local GMO non-GMO

Test Comments: This area would have really benefited from some additional rain in July when only 1.5" fell, which was 1.7" below the 30-year average. Jon, our cooperater at this site, said he had about a six week period with no meaningful rainfall events. The cool summer helped minimize stress, helping to produce nice test results this year. Corn had dry grain and upright stalks, giving us an easy harvest.

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different

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FERTILITY - Applied N: 170 Spring
Applied N-P-K (units): 170-50-30
SEEDED - RATE - ROW: May 7 30,000 /A 30" spacing
HARVESTED - STAND: Nov 5 28,300 /A

Full-Season Test
96 - 100 Day CRM
B2014SDNE11b

Top 30 of 54
For Gross Income (Sorted by Yield)
Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Seed Treatment†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
AgVenture/Scherr	VPmx RL5718HBW^	HX,RR2,AQ	MQ,P5	99	211.5	15.6	1	28.5	631	2
Titan Pro	TP 39-98 SS	STX,B	AC,P5V	98	210.6	14.8	1	28.5	632	1
Latham	LH4859SSRIB	STX,B	AC,P5V	98	209.8	14.8	1	29.5	629	3
Dyna-Gro	D37SS60	STX	AC,P5V	97	207.6	15.1	1	30.0	622	5
AgVenture/Scherr	VPmx RL5671AM^	AM,B	MQ,P5	99	207.0	16.1	1	28.5	615	9
Wensman	W 90979STX	STX	AC,P5V	97	206.6	15.6	1	27.1	617	7
Renk	RK605SSTX	STX	AC,P2	100	206.1	14.8	1	29.0	618	6
Viking	VS96-578	VT3P,B	AC,P2	96	205.6	15.2	1	28.1	616	8
Pioneer	P9917AMX GC	AMX,B	MQ,C2	99	204.8	15.4	1	29.5	612	10
Wensman	W 90967STXRIB	STX,B	AC,P5V	96	204.7	15.8	1	27.1	610	11
Nuseed	3014VT2P	VT2P	AC,P2	101	204.0	15.8	1	29.0	608	12
Dekalb	DKC47-35RIB GC	STX,B	AC,P5V	97	203.4	16.8	1	30.5	601	17
REA	4A972-RIB	STX,B	AC,P5V	97	202.3	14.3	1	27.6	607	13
ProSeed	1396VT3PRIB	VT3P,B	AC,P2	96	202.2	15.2	1	29.5	606	14
Channel	199-29STXRIB GC	STX,B	AC,P5V	99	201.8	14.7	2	28.6	605	15
Titan Pro	TP 39-00 SS	STX,B	AC,P5V	100	200.8	15.1	1	29.0	602	16
REA	5A992-RIB	STX,B	AC,P5V	99	198.9	14.9	1	28.0	597	18
Prairie Brand	4895GT3	3000GT	CM,C2	98	198.8	15.2	1	25.2	595	19
Renk	RK581SSTX	STX,B	AC,P2	100	197.5	16.4	1	28.1	586	26
Dyna-Gro	D39VP14	VT3P	AC,P5V	99	197.4	15.5	1	28.5	590	21
Nuseed	9904VT2P	VT2P	AC,P2	99	197.3	14.9	1	25.6	592	20
Titan Pro	1M96-3P	VT3P	AC,P2	96	197.1	15.9	1	30.5	587	25
ProSeed	1397SSRIB	STX,B	AC,P2	97	196.9	15.2	1	27.1	590	22
Dekalb	DKC48-12RIB GC	STX,B	AC,P5V	98	196.4	14.9	1	28.5	589	23
Dekalb	DKC49-29RIB GC	STX,B	AC,P5V	99	196.1	15.0	2	28.6	588	24
NuTech/G2 Gen	5F-399^	AM,B	MQ,P5V	99	196.1	15.5	1	27.1	586	27
Renk	RK596SSTX	STX	AC,P2	98	195.4	14.8	1	29.0	586	28
Thunder	7396VT2PRIB	VT2P,B	AC,P2	96	194.4	14.4	1	30.0	583	29
NuTech/G2 Gen	5F-198^	AM,B	MQ,P5V	98	193.5	14.2	1	28.1	581	30
Thunder	103-97SSRIB	STX,B	AC,P2	97	193.0	14.5	1	29.5	579	31
Pioneer	P9834AMX CK	AMX,B	MQ,C2	98	208.8	15.1	1	29.5	626	4

Test Average = **194.7** **15.2** **1** **28.3** **583**

LSD (0.10) = 16.5 0.5 ns

LSD (0.25) = 11.5 0.3 ns

C.V. = 6.3 2.4

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2014 Corn Grain - South Dakota Northeast [SDNE]



Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt	RM	Company/Brand	Product/Brand	Technol.	Seed Trt	RM
AgVenture/Scherr	VPmx RL5671AM^	AM,B	MQ,P5	99	Thunder	7396VT2PRIB	VT2P,B	AC,P2	96
AgVenture/Scherr	VPmx RL5718HBW^	HX,RR2,AQ	MQ,P5	99	Titan Pro	1M96-3P	VT3P	AC,P2	96
Channel	197-68STXRIB GC	STX,B	AC,P5V	97	Titan Pro	TP 39-00 SS	STX,B	AC,P5V	100
Channel	199-29STXRIB GC	STX,B	AC,P5V	99	Titan Pro	TP 39-98 SS	STX,B	AC,P5V	98
Curry	417-91 GC	HXT,RR2	MQ,P5V,R	97	Viking	VS96-578	VT3P,B	AC,P2	96
Dairyland	DS9900SSX	STX	CM,C2	99	Wensman	W 70975VT3PRIB	VT3P,B	AC,P5V	97
Dekalb	DKC47-35RIB GC	STX,B	AC,P5V	97	Wensman	W 90967STXRIB	STX,B	AC,P5V	96
Dekalb	DKC48-12RIB GC	STX,B	AC,P5V	98	Wensman	W 90979STX	STX	AC,P5V	97
Dekalb	DKC49-29RIB GC	STX,B	AC,P5V	99	Wensman	W 9288STXRIB	STX,B	AC,P5V	98
Dyna-Gro	D37SS60	STX	AC,P5V	97					
Dyna-Gro	D39VP14	VT3P	AC,P5V	99					
Federal	4640VT3P	VT3P	AC,P2	96					
Federal	5050SSTAX	STX	AC,P5V	100					
King	5650-3000GT	3000GT	CM,C2	96					
King	5800-3000GTA	3011A	CM,C2	98					
Latham	LH4645VT2PRORIB	VT2P,B	AC,P5V	96					
Latham	LH4859SSRIB	STX,B	AC,P5V	98					
Latham	LH4955VT2PRORIB	VT2P,B	AC,P5V	99					
Latham	LH5096VT3PRORIB	VT3P,B	AC,P2	100					
Nuseed	3014VT2P	VT2P	AC,P2	101					
Nuseed	9904VT2P	VT2P	AC,P2	99					
NuTech/G2 Gen	5F-198^	AM,B	MQ,P5V	98					
NuTech/G2 Gen	5F-399^	AM,B	MQ,P5V	99					
NuTech/G2 Gen	5X-698^	HXT,RR2,AC	MQ,P5V	98					
NuTech/G2 Gen	5Y-196^	OIX	MQ,P1V,R	96					
Pioneer	P0062AMX GC	AMX,AQ,B	MQ,C2	100					
Pioneer	P9834AMX CK	AMX,B	MQ,C2	98					
Pioneer	P9917AMX GC	AMX,B	MQ,C2	99					
Prairie Brand	4895GT3	3000GT	CM,C2	98					
Prairie Brand	4995SX	STX	CM,C2	99					
ProSeed	1396VT3PRIB	VT3P,B	AC,P2	96					
ProSeed	1397SSRIB	STX,B	AC,P2	97					
ProSeed	1399-3000GT	3000GT	CM,C2	99					
ProSeed	PX496SSRIB	STX,B	AC,P2	96					
REA	4A654-RIB	STX,B	AC,P5V	96					
REA	4A972-RIB	STX,B	AC,P5V	97					
REA	5A992-RIB	STX,B	AC,P5V	99					
REA	5A993-RIB	STX,B	AC,P5V	99					
Renk	RK581SSTX	STX,B	AC,P2	100					
Renk	RK591GTCBLLRWBLA	3111A	CM,C2	99					
Renk	RK596SSTX	STX	AC,P2	98					
Renk	RK605SSTX	STX	AC,P2	100					
Rob-See-Co	Innotech IC4903^	3111A	CM,C2	99					
Stine	R9417VT3Pro	VT3P,B	AC,P2	98					
Thunder	103-97SSRIB	STX,B	AC,P2	97					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. HPT® brand seed is distributed by Hoegemeyer Hybrids, Inc. RPM® brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMaXX® brand seed is distributed by AgVenture, Inc. XL® and Phoenix® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMaXX® and XL® are registered trademarks of DuPont Pioneer.
CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.

Corn Technologies*

3000GT	Agrisure® 3000GT (CB,RW,LL,GT)	DG	Genuity® DroughtGard®
3011A	Agrisure® Artesian® (CB,RW,LL,GT)	GT	Agrisure® GT
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	GT/CB/LL	Agrisure® GT/CB/LL
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HX	Herculex® 1, contains LL
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	HX,RR2	Herculex® 1, Roundup Ready 2 Corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	HXRW	Herculex® Rootworm, contains LL
5122	Agrisure® Duracade® 5122 (CB,HX,RW,RW2,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
5222	Agrisure® Duracade® 5122 (Vip,CB,HX,RW,RW2,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
A	Agrisure® Artesian®	LL	LibertyLink®
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	None	conventional corn
AM-R	Optimum® AcreMax® (YGCB,HX,RR2)	OI	Optimum® Intrasect® (YGCB,HX,LL,RR2)
AM1	Optimum® AcreMax®1 (HXT,LL,RR2)	OIX	Optimum® Intrasect® Xtra (YGCB,HXT,LL,RR2)
AMRW	Optimum® AcreMax® Rootworm (HXRW,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AMRW-R	Optimum® AcreMax® Rootworm (HXRW,RR2)	OL	Optimum® Leptra® (Vip,YGCB,HX,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	OT	Optimum® TRIssect® (HX,RW,LL,RR2)
AMX-R	Optimum® AcreMax® Xtra (YGCB,HXT,RR2)	RR2	Roundup Ready® 2 Corn
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,LL,RR2)	STX	SmartStax® (VT3P,HXX)
AQ	Optimum® AQUAmax®	VT2P	Genuity® VT Double PRO®
B	Blended seed (i.e. refuge blend)	VT3	YieldGard VT Triple®
CB/LL	Agrisure® CB/LL	VT3P	Genuity® VT Triple PRO®
CB/LL/RW	Agrisure® CB/LL/RW	YGCB	YieldGard® Corn Borer

* The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments**

A	Allegiance®	L	Lorsban®
AC	Acceleron® fungicide products	M	Maxim XL®
At	Actellic®	MQ	Maxim Quattro®
AVC	Avicta® Complete Corn	None	untreated
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
CE	Cruiser Extreme®	R	Raxil® (tebuconazole)
CM	CruiserMaxx® Corn	St	Stamina® (pyraclostrobin)
D	Dynasty® (azoxystrobin)	V	Votivo®
Es	Escalate®	Z	zinc

** Seed treatments may include unspecified plant health promoting components.

